

02/25/00

Jc584 U.S. PTO

**UTILITY PATENT  
APPLICATION TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket

GI 5229FWC/V1

Total Pages

39

First Named Inventor or Application Identifier

John P. Leonard

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 202311. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)6. ☐ Microfiche Computer Program (Appendix)2. ☒ Specification [Total Pages **27**]

(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

7. Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)a. ☐ Computer Readable Copyb. ☐ Paper Copyc. ☐ Statement verifying identity of above copies3. ☒ Drawing(s) (35 USC 113) [Total Sheets **6**]4. Oath or Declaration [Total Pages **6**]a. ☐ Unsigned (original or copy)b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]I. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application,  
See 37 CFR 1.63(d)(2) and 1.33(b).5. ☒ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which  
a copy of the oath or declaration is supplied under Box  
4b, is considered as being part of the disclosure of the  
accompanying application and is hereby incorporated by  
reference therein.**ACCOMPANYING APPLICATION PARTS**8. ☐ Assignment Papers (cover sheet & documents(s))9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney10. ☐ English Translation Document (if applicable)11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations12. ☐ Preliminary Amendment13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)14. ☐ Small Entity Statement(s) ☐ Statement filed in prior application,  
Status still proper and desired15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)16. ☒ Other: . Inventor Data Sheet. ....17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)of prior application No.: 08/560,943**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

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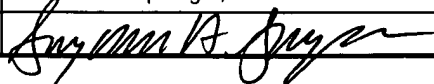
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Typed or printed name

Suzanne A. Sprunger, Ph.D.

Signature



Date

February 25, 2000

Jc584 U.S. PTO  
09/512701

02/25/00

# FEE TRANSMITTAL

Complete if Known

Application Number

Filing Date

February 25, 2000

First Named Inventor

John Leonard et al.

Group Art Unit

TBD

Examiner Name

TBD

Attorney Docket Number

GI 5229FWC-DIV1

TOTAL AMOUNT OF PAYMENT (\$)

690

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

07-1060

Deposit Account Name

Genetics Institute, Inc.



Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17



Charge the Issue Fee Set in 37 CFR 1.18 at the mailing of the Notice of Allowance, 37 CFR 1.311 (b)

2. ☐ Payment Enclosed:



Check



Money Order



Other

## FEE CALCULATION (fees effective 10/01/97)

### 1. FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	690	220	395	Utility filing fee	690
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1)

(\$)

690

### 2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
5	-20 = 0	X 18	= 0
Independent Claims	1	-3 = 0	X 78 = 0
Multiple Dependent Claims		X	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	11	Claims in excess of 20
102	78	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
109	82	209	41	Reissue independent claims over original patent
110	22	210	11	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$)

0

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	400	216	200	Extension for response within second month	
117	950	217	475	Extension for response within third month	
118	1,510	218	755	Extension for response within fourth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,320	241	660	Petition to revive unintentionally abandoned application	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129 (b))	
Other fee (specify)					
Other fee (specify)					

SUBTOTAL (3)

(\$)

0

\* Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Typed or Printed Name

Suzanne A. Sprunger, Ph.D.

Complete (if applicable)

Reg. Number

41,323

Signature

*Suzanne A. Sprunger*

Date

February 25, 2000

Deposit Account User ID

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Typed or printed name

Suzanne A. Sprunger, Ph.D.

Signature

*Suzanne A. Sprunger*

Date

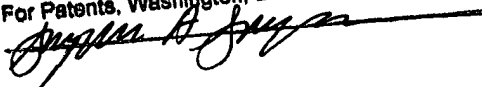
February 25, 2000

Dated: February 25, 2000

Respectfully submitted,



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**Exhibit A**  
**U.S. Ser. No. 09/XXX,XXX (Divisional of 08/560,943)**  
**Pending Claims as Presented January 2000**

24 (NEW). A method for treating rheumatoid arthritis in a human subject, said method comprising administering to said subject a therapeutically effective amount of an IL-12 antagonist that binds IL-12, wherein said antagonist is selected from the group consisting of an antibody immunoreactive with IL-12 and an antibody fragment immunoreactive with IL-12.

25 (NEW). The method of claim 24 wherein said antagonist is administered in a dose of about 0.05 to about 25 mg/kg.

26 (NEW). The method of claim 24 wherein said antagonist is administered in combination with a pharmaceutically acceptable carrier.

27 (NEW). The method of claim 24 wherein said antagonist is an antibody immunoreactive with IL-12.

28 (NEW). The method of claim 24 wherein said antagonist is an antibody fragment reactive with IL-12.